FORM PTO-1390 (REV: 01-2003)

US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

## TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) **CONCERNING A FILING UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER 126818

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) New U.S. National Stage of PCT/JP2004/010657

	<u> </u>	NCERNING ATTEMO ON								
INTERNATIONAL APPLICATION NO. PCT/JP2004/010657			INTERNATIONAL FILING DATE July 27, 2004	PRIORITY DATE CLAIMED July 30, 2003						
TITLE OF INVENTION MECHANOCHEMICAL SENSOR										
APPLICANTS FOR DO/FO/US										
Yutaka YAMAGATA; Kozo INOUE; Hitoshi OHMORI; Joon-wan KIM  Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:										
TOTAL And Anticology of Items concerning a filing under 35 U.S.C. 371.										
		This is a <b>FIRST</b> submission of items concerning a filling under 35 0.3.0. 371.  This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filling under 35 U.S.C. 371.								
	η.	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include								
0. [	i	items (5), (6), (9) and (21) indicated below.								
4. [		The US has been elected (Article								
5. [	$\boxtimes$	A copy of the International Application as filed (35 U.S.C. 371(c)(2))								
		a.  is attached hereto (required only if not communicated by the International Bureau).								
1		b. ⊠ has been communicated by the International Bureau.								
			ication was filed in the United State							
6. [	$\boxtimes$	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))								
		a. 🛛 is attached hereto.								
		b.  has been previously subm	itted under 35 U.S.C. 154(d)(4).							
		c.								
7.		to the the eleign of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))								
		a. ☐ are attached hereto (required only if not communicated by the International Bureau).								
		b.  have been communicated by the International Bureau.								
		c.  have not been made; however, the time limit for making such amendments has NOT expired.								
		d.  have not been made and								
8.		An English language translation of	of the amendments to the claims ur	nder PCT Article 19 (35 U.S.C. 371(c)(3)).						
9.		An oath or declaration of the inve	entor(s) (35 U.S.C. 371(c)(4)).							
10.		An English language translation (35 U.S.C. 371(c)(5)).	of the annexes of the International I	Preliminary Examination Report under PCT Article 36						
Items	: 11 1	to 20 below concern document(s	s) or information included:							
11.	$\boxtimes$	An Information Disclosure Stater	ment under 37 CFR 1.97 and 1.98.							
12.		An assignment document for rec	cording. A separate cover sheet in	compliance with 37 CFR 3.28 and 3.31 is included.						
13.	$\boxtimes$	A preliminary amendment.								
14.	$\boxtimes$	An Application Data Sheet unde	r 37 CFR 1.76.							
15.		A substitute specification.								
16.		A power of attorney and/or chan	ge of address letter.							
17.		A computer-readable form of the	e sequence listing in accordance wi	th PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.						
18.		A second copy of the published	international application under 35 l	J.S.C. 154(d)(4).						
19.		A second copy of the English la	nguage translation of the internation	nal application under 35 U.S.C. 154(d)(4).						
13.		Other items or information: a co	py of the International Search Repo	ort is attached to the Information Disclosure Statement.						

## IAP5 Rec'd PCT/PTO 3 0 JAN 2006

U.S. APPLICATION NO. (ILLINOWN, SI New U.S. Palional Stages of PCT/JP2004/04/04/0557	ATTORNEY'S DOCKET NUMBER 126818									
				CALCULATIONS	PTO USE ONLY					
21.   The following fees	are submitted.		İ							
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BASIC NATIONAL FEE (37	CER 1 492(a)):		\$ 300.00	\$300.00						
SEARCH FEE (37 CFR 1.49	2(b)(1)-(3)):			\$400.00						
SEAROTT EE (S) OT IT 1.40	2(3)(1) (3)/1									
International preliminary exa	mination report or	written opinion prepared	by							
the HICDTO as IDEA or ISA	and favorable as t	o novelty, inventive step.	ano i							
industrial applicability for all national stage	ciaims presented i	n the application entering	\$ 0.00	Ì						
			į.							
International search fee (37	CFR 1.445(a)(2))	oaid to USPTO as ISA	\$ 100.00							
International search report p	provided to USPTC	no later than the time at	s 400 00							
the search fee is paid	•••••									
All situations not provided for	vr ahove		\$ 500.00							
EXAMINATION FEE (37 CF	R 1.492(c)(1)-(2))			\$200.00						
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International preliminary exa	amination report or	written opinion prepared	l by							
	and favorable as	n novelty, inventive step	, and							
industrial applicability for all national stage	claims presented	in the application enterin	g trie							
national stage										
All situations not provided for	or above		\$ 200.00							
Surcharge of \$130.00 for full	rnishing the oath o	r declaration later than 3	0 months from the	\$						
earliest claimed priority date	e (37 CFR 1.492(e	))								
TOTAL PAGES OF		_ +0	x 250 =	\$						
APPLICATION OVER 100 (32 - 100)	0 ÷ 50	= †0	x 250 =	<u> </u>	<u> </u>					
tround up to next integer	r									
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$						
TOTAL CLAIMS	15 - 20	= 0	x 50.00 =	\$						
INDEPENDENT CLAIMS	1 - 3	= 0	x 200.00 =	\$						
MULTIPLE DEPENDENT C	LAIM(S)(if applica	ble)	+ 360.00 =	\$						
		TOTAL OF ABOVE		\$900.00						
Applicant claims small	entity status. See	37 CFR 1.27. The fees	indicated above are	\$	·					
reduced by ½.			SUBTOTAL =	\$900.00						
Processing fee of \$130.00	for furnishing the E	inglish translation later th		\$						
the earliest claimed priority	date (37 CFR 1.4)	92(f)).								
the carried diamed phony	<b></b> (5. 5.	TOTAL	NATIONAL FEE =	\$900.00						
Fee for recording the enclo	sed assignment (3	7 CFR 1.21(h)). The as	signment must be	\$						
accompanied by an approp	riate cover sheet (	37 CFR 3.28, 3.31). 😘	1.00 per property +	C000.00						
		TOTAL F	EES ENCLOSED =	\$900.00 Amount to be						
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The Commission	oner is bereby auth	orized to charge any ad-	ditional fees which ma	ly be required, or cred	it any overpayment to					
Deposit Accour	c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card									
d. Fees are to be	charged to a credi	t card. <b>WARNING:</b> Info I <b>ded on this form.</b> Prov	rmation on this lotting	ation and authorizatio	n on PTO-2038.					
NOTE: Where an appro	priate time limit	under 37 CFR 1.495 has	s not been met, a/pe	ition to revive (37 Ci	FR 1.137(a) or (b))					
must be filed ar	nd granted to rest	ore the application to p	pending status.///	//						
SEND ALL CORRESPON	NDENCE TO:									
OLIFF & BERRIDO			NAME: //Jam	OS A CHIEF						
Customer Number	er: 25944		REGISTRAT	ION NUMBER: \$7,0	075					
			/ .:	<u>\</u>						
Date January 30, 200	<u>)6</u>	S. Armstrong								
	<u> </u>		REGISTRAT	ION NUMBER: 36,	430					
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U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) New I.I. SANGER STAGE of The PCT/JP2004/010657				ATTORNEY'S DOCKET NUMBER 126818					
New U.S. Nathonal Stage 3 PCT/JP2004/01/0657 06 3	CALCULATIONS	PTO USE ONLY							
21.	ubmitted:								
BASIC NATIONAL FEE (37 CFR	1.492(a)):		\$ 300.00	\$300.00 \$400.00					
SEARCH FEE (37 CFR 1.492(b)	(1)-(3)):			\$400.00	}				
International preliminary examina the USPTO as IPEA or ISA and industrial applicability for all claim national stage									
International search fee (37 CFR		•							
International search report provion the search fee is paid									
All situations not provided for ab	ove		\$ 500.00	\$200.00					
EXAMINATION FEE (37 CFR 1.	.492(c)(1)-(2)):			, , ,					
International preliminary examin the USPTO as IPEA or ISA and industrial applicability for all clair national stage									
All situations not provided for at	oove		0 months from the	\$					
All situations not provided for at Surcharge of \$130.00 for furnish earliest claimed priority date (37	hing the oath of Q	leclaration later than 3	O MONUS HOM THE	<b>V</b>					
TOTAL PAGES OF APPLICATION OVER 0	÷ 50	= †0	x 250 =	\$					
100 (32 - 100) †round up to next integer									
CLAIMS N	UMBER FILED	NUMBER EXTRA	x 50.00 =	<b>\$</b>					
TOTAL CLAIMS	15 - 20	= 0	x 200.00 =	\$					
INDEPENDENT CLAIMS	1 - 3		+ 360.00 =	\$					
MULTIPLE DEPENDENT CLA		TOTAL OF ABOVE !	CALCULATIONS =	\$900.00					
Applicant claims small enti	ity status. See 3	7 CFR 1.27. The fees	indicated above are	\$					
reduced by ½.			SUBTOTAL :						
Processing fee of \$130.00 for	furnishing the En	glish translation later t							
the earliest claimed priority dat	te (37 CFR 1.492		NATIONAL FEE						
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Fee for recording the enclosed accompanied by an appropriat	te cover sheet (37			+	<b></b>				
accompanied by an opposi		TOTAL F	EES ENCLOSED	= \$900.00 Amount to be					
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l				charged:	\$				
<ul> <li>a.  \( \subseteq \) Check No. \( \frac{175855}{2} \) in the amount of \( \frac{900.00}{2} \) to cover the above fees is enclosed.</li> <li>b.  \( \subseteq \) Please charge my Deposit Account No in the amount of \( \frac{1}{2} \) to cover the above fees. A duplicate copy of this sheet is enclosed.</li> <li>c.  \( \subseteq \) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \( \frac{15-0461}{2} \). A duplicate copy of this sheet is enclosed.</li> <li>d.  \( \subseteq \) Fees are to be charged to a credit card. \( \mathbf{WARNING:} \) Information on this form may become public. \( Credit card information should not be included on this form. \) Provide credit card information and authorization on PTO-2038.</li> </ul>									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b))									
l must be filed and	granted to resid	ore the application to	pending status.	/ //.					
SEND ALL CORRESPONDENCE TO:									
OLIFF & BERRIDGE, PLC									
Customer Number.	200		REGI#TR	ATION NUMBER: 2	(,U75 )				
Date <u>January 30, 2006</u>			NAME: JO REGISTR	pel S. Armstrong ATION NUMBER: 36	/ 6,430				